a bending mechanism disposed between the first displaying part and the second displaying part to bend or spread the display panel, wherein the second displaying part is slid on the rail mechanism to shift the display panel relatively to the casing, and a display range of the first display panel is controlled according to a range to which the first display panel is shifted outside the casing.

26. The display panel according to claim **25**, wherein the bending mechanism comprises:

at least one arc-shaped connecting element; and

at least two rollers disposed at the two ends of the arc-shaped connecting element.

27. The display panel according to claim **26**, wherein the bending mechanism comprises two arc-shaped connecting elements, and a cross section of each arc-shaped connecting element is substantially a quarter-circle arc.

28. The display panel according to claim **26**, wherein the bending mechanism further comprises:

a gear;

a screw pillar engaged with the gear; and

a motor for driving the screw pillar to rotate.

29. The display panel according to claim **26**, wherein the bending mechanism further comprises:

a plurality of bumps disposed on one of the rollers; and

an elastic arms being against between two of the bumps.

30. The display panel according to claim **26**, wherein the bending mechanism further comprises:

a plurality of hard bumps disposed on one of the rollers;

a ring element; and

a plurality of soft bumps disposed inside the ring element, wherein each soft bump is engaged between two of the hard bumps.

31. The display panel according to claim **26**, wherein the bending mechanism further comprises:

a plurality of pins;

a plurality of elastic elements disposed inside one of the rollers, wherein the elastic elements respectively are against the pins;

a ring element; and

a plurality of hard bumps disposed inside the ring element, wherein each pin is engaged between two of the hard bumps.

32. The display panel according to claim **25**, wherein the bending mechanism comprises:

a spherical bump; and

a mounting element movably mounted on the spherical bump.

33. The display panel according to claim **25**, wherein the bending mechanism comprises:

a retractable element disposed between the first displaying part and the second displaying part to extend or contract the bending mechanism according to the benditure.

* * * * *